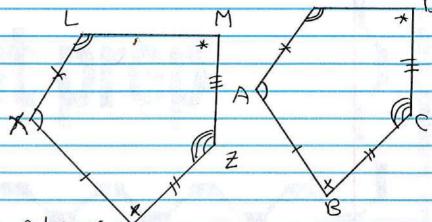
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Third: Congruence of two polygons:

Two polygons are Congruent if there is correspondence between their vertices such that each side and each angle in the first polygon is congruent to its corresponding ellyplat in the other polygon

for example:



In the apposite two polygons. Y

If:

(Feach two Corresponding Sides are equal inlength.)

i.e. AB=XY, BC= XZ, CD=ZM, DE=MI

RI Each two corresponding angles are equal in measure

ie m(LA) = m(LX), m(LB) = m(LY) m(LC)=m(LB)
m(LD) = m(LM) and m(LE)=m(LD)

then the polygon ABCDE is Congressent to the polygon XYZML and we write

The polygon ABCDE = the polygon XYZML

drawn between their vertices of one triangle are congruent